

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000941.D
 Acq On : 13 Dec 2019 12:15
 Operator : SY/MD
 Sample : K4649-03MSD
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 14 05:57:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 09:49:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	436733	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	400590	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	188942	25.00	ug/L	0.00

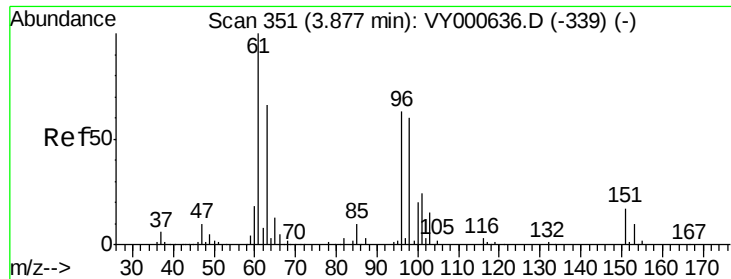
System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	131399	19.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.00%
7) Chloroethane-d5	2.75	69	130633	22.54	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
11) 1,1-Dichloroethene-d2	3.86	63	628845	54.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	217.88%#
21) 2-Butanone-d5	6.90	46	187728	64.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.52%
24) Chloroform-d	7.49	84	279713	24.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	8.15	65	162402	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.56%
32) Benzene-d6	8.11	84	625450	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	9.13	67	206574	29.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.04%
41) Toluene-d8	10.17	98	565145	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.96%
43) trans-1,3-Dichloropropene-	10.44	79	90389	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.48%
47) 2-Hexanone-d5	10.78	63	150276	68.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.02%#
56) 1,1,2,2-Tetrachloroethane-	12.55	84	208958	27.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.36%
66) 1,2-Dichlorobenzene-d4	13.72	152	195804	26.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.12%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	3.87	96	825280	142.262	ug/L # 76
13) Acetone	3.96	43	7431	2.666	ug/L 78
16) Methylene chloride	4.71	84	4190	0.589	ug/L 90
33) Benzene	8.16	78	3959493	150.496	ug/L 100
34) Trichloroethene	8.94	95	971329	139.898	ug/L 95
42) Toluene	10.24	91	4183678	148.904	ug/L 98
44) trans-1,3-Dichloropropene	10.44	75	4133	0.435	ug/L 98
48) 2-Hexanone	10.78	43	14806	2.561	ug/L # 69
51) Chlorobenzene	11.51	112	2661496	148.302	ug/L 97
60) Isopropylbenzene	12.32	105	1237	0.041	ug/L # 95
61) 1,2,3-Trichloropropane	12.63	75	303	0.051	ug/L # 79
62) 1,3,5-Trimethylbenzene	12.76	105	220	0.009	ug/L 96
63) 1,2,4-Trimethylbenzene	13.12	105	2626	0.108	ug/L 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12

1,1-Dichloroethene

Concen: 142.262 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000941.D

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Instrument :
MSVOA_Y
ClientSampled :

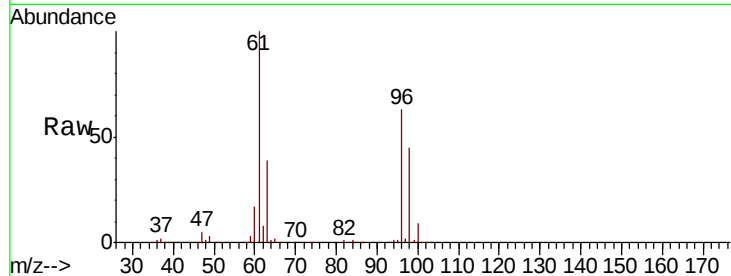
Tot Ion: 96 Resp: 825280

Ion Ratio Lower Upper

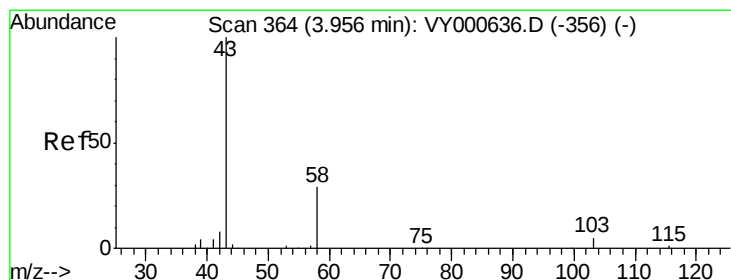
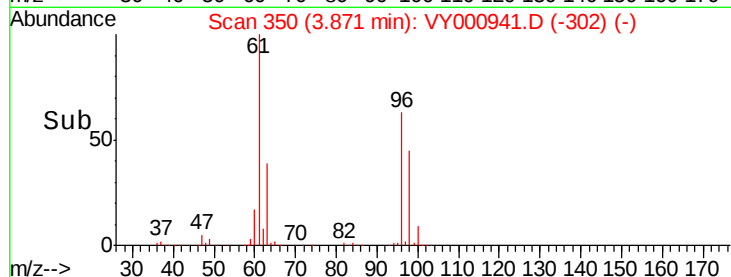
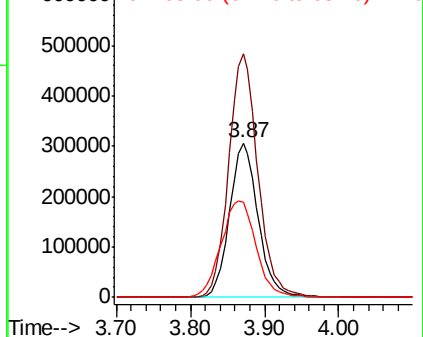
96 100

61 157.6 118.6 220.2

63 61.3 77.8 144.6#



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 2.666 ug/L

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000941.D

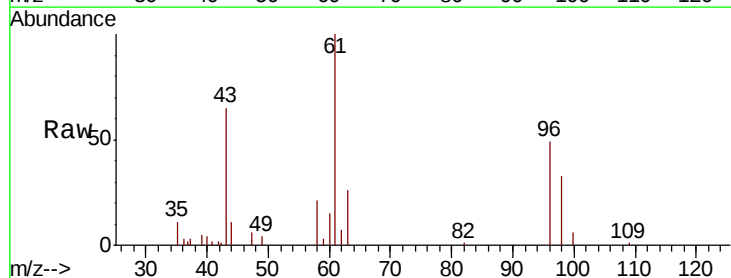
Acq: 13 Dec 2019 12:15

Tgt Ion: 43 Resp: 7431

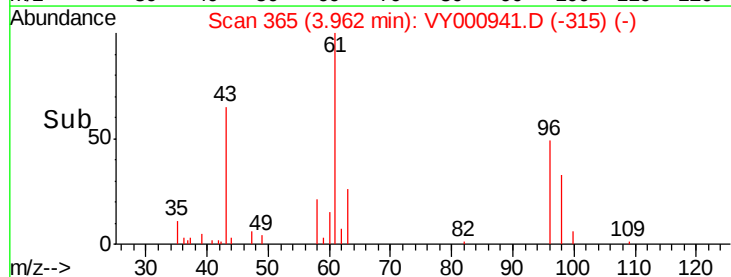
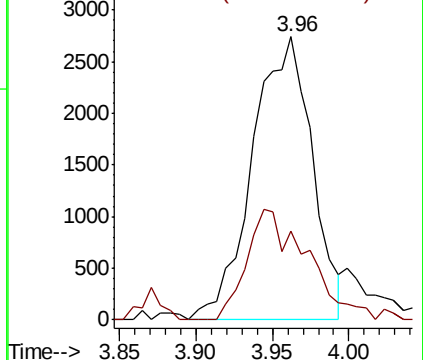
Ion Ratio Lower Upper

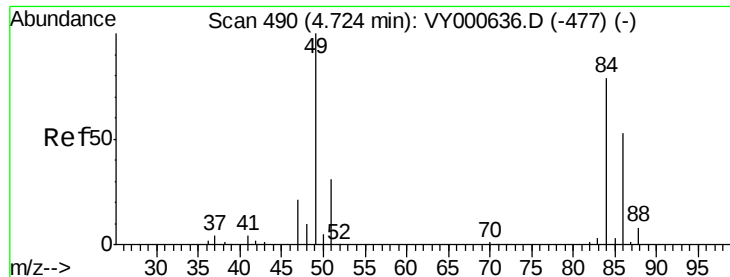
43 100

58 22.2 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

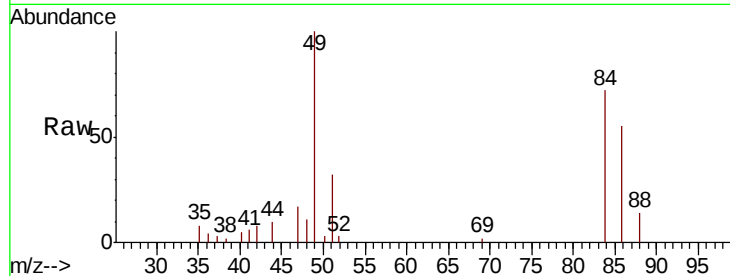




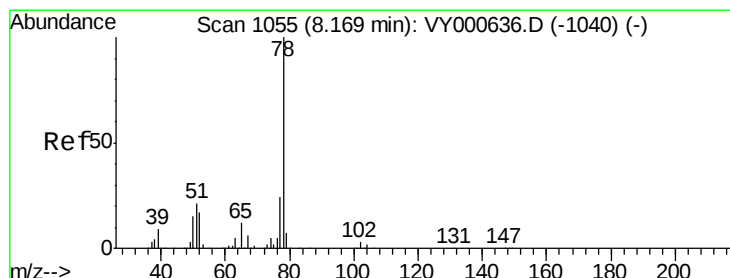
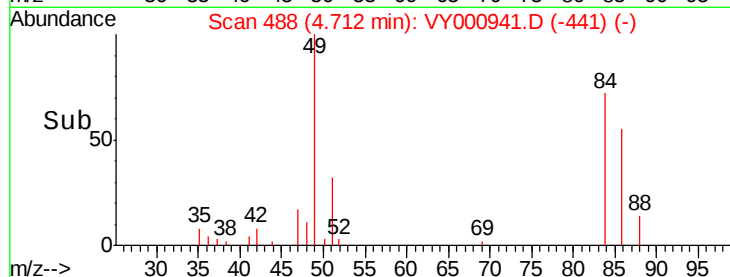
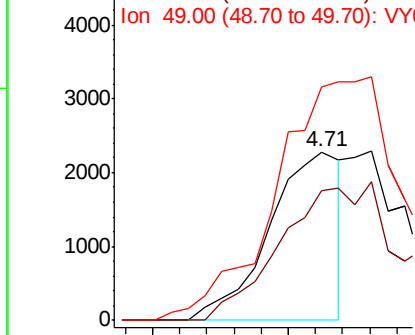
#16
Methvlene chloride
Concen: 0.589 ug/L
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15

Instrument :
MSVOA_Y
ClientSampleId :

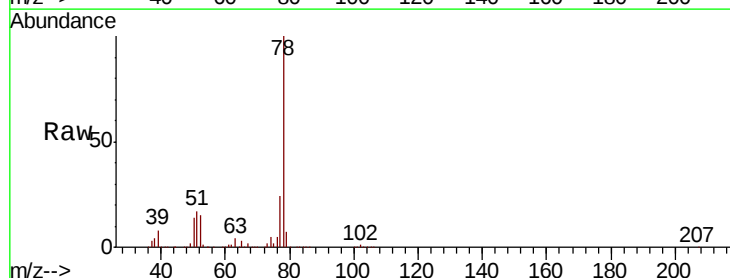
Tot Ion: 84 Resp: 4190
Ion Ratio Lower Upper
84 100
86 76.8 43.4 80.6
49 138.9 92.3 171.3



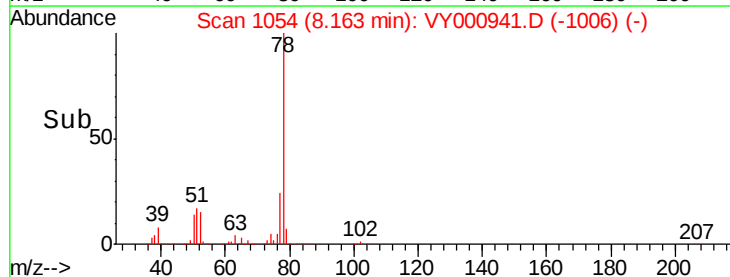
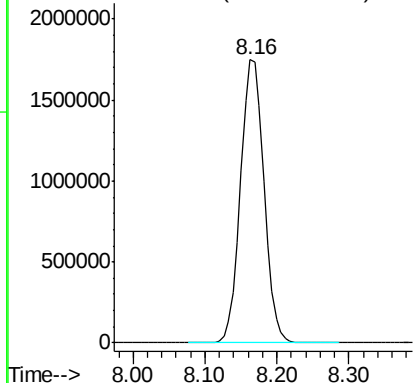
Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0

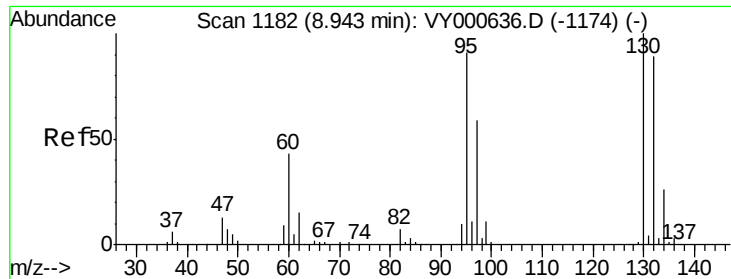


#33
Benzene
Concen: 150.496 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15
Tgt Ion: 78 Resp: 3959493



Abundance Ion 78.00 (77.70 to 78.70): VY0

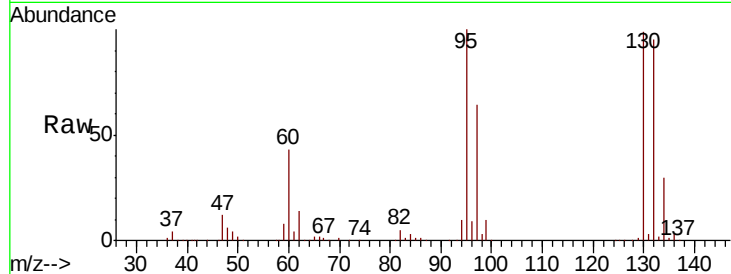




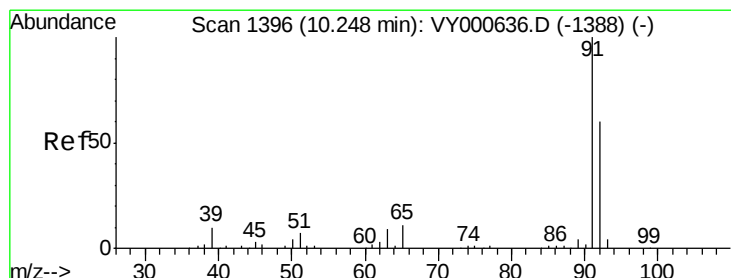
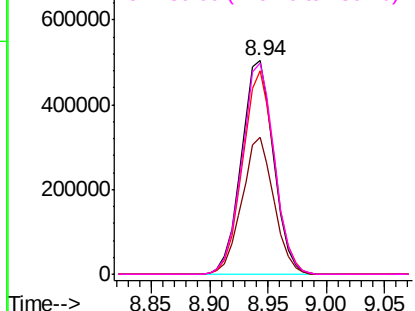
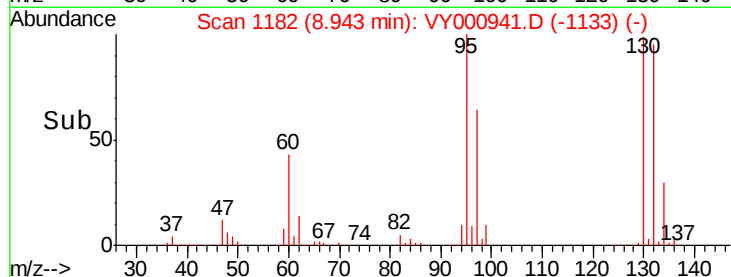
#34
 Trichloroethene
 Concen: 139.898 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000941.D
 Acq: 13 Dec 2019 12:15

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 95 Resp: 971329
 Ion Ratio Lower Upper
 95 100
 97 64.1 41.4 76.8
 132 95.4 69.7 129.4
 130 98.9 73.1 135.8

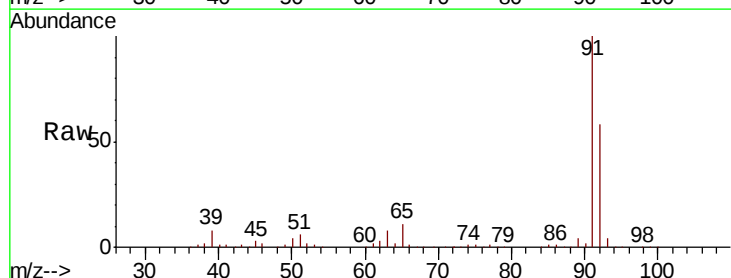


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

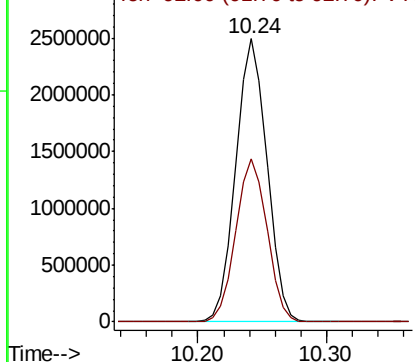
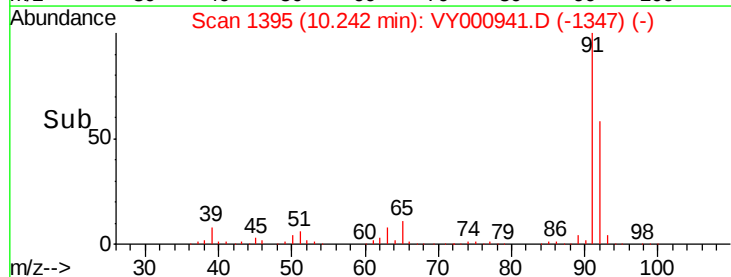


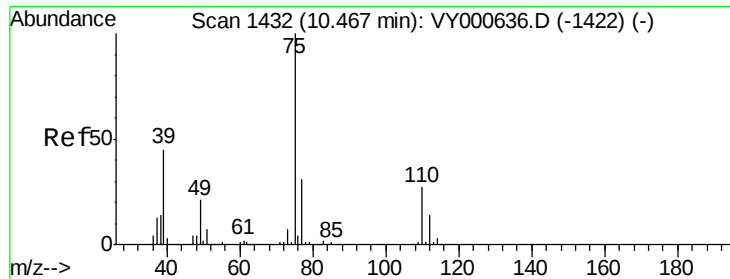
#42
 Toluene
 Concen: 148.904 ug/L
 RT: 10.24 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: VY000941.D
 Acq: 13 Dec 2019 12:15

Tgt Ion: 91 Resp: 4183678
 Ion Ratio Lower Upper
 91 100
 92 57.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 92.00 (91.70 to 92.70): VY0

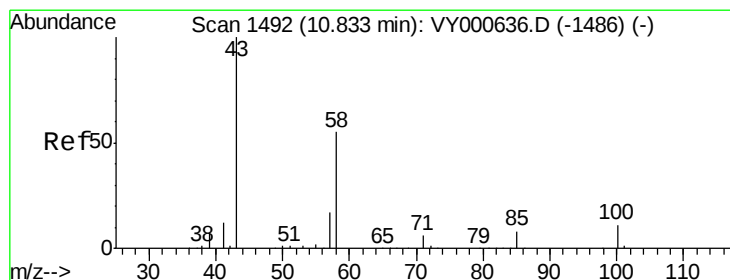
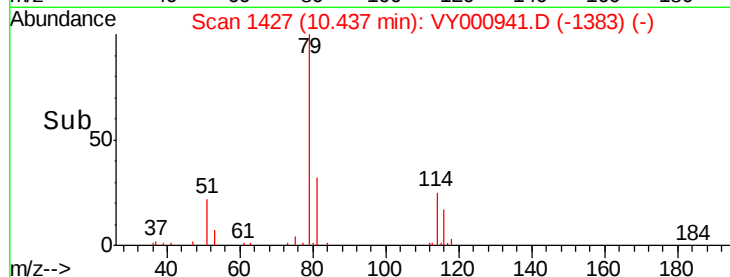
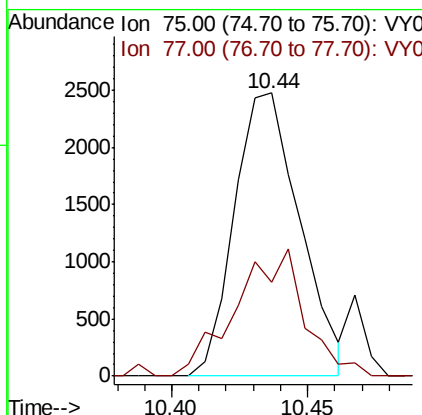
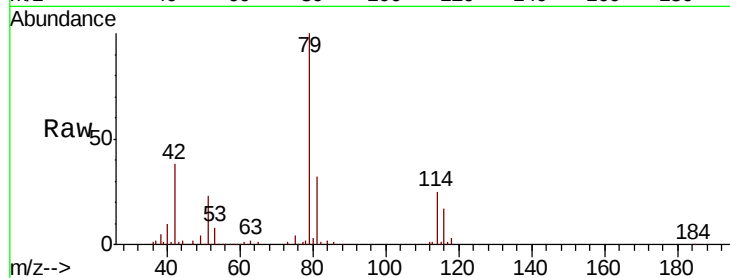




#44
trans-1,3-Dichloropropene
Concen: 0.435 ug/L
RT: 10.44 min Scan# 1427
Delta R.T. -0.03 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15

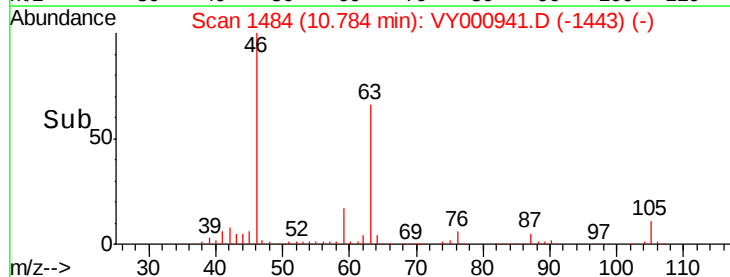
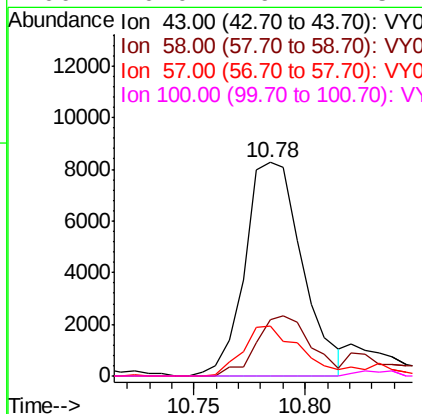
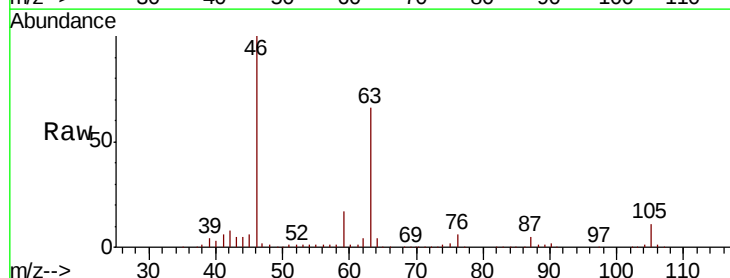
Instrument :
MSVOA_Y
ClientSampled :

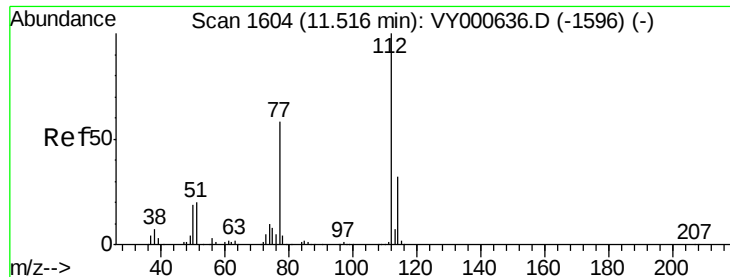
Tot Ion: 75 Resp: 4133
Ion Ratio Lower Upper
75 100
77 33.3 22.7 42.1



#48
2-Hexanone
Concen: 2.561 ug/L
RT: 10.78 min Scan# 1484
Delta R.T. -0.05 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15

Tgt Ion: 43 Resp: 14806
Ion Ratio Lower Upper
43 100
58 26.6 42.5 63.7#
57 22.9 14.2 21.4#
100 0.0 9.1 13.7#

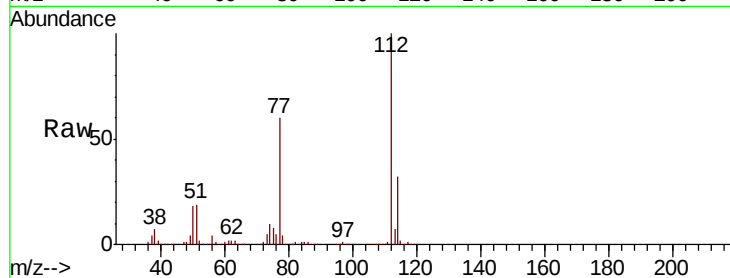




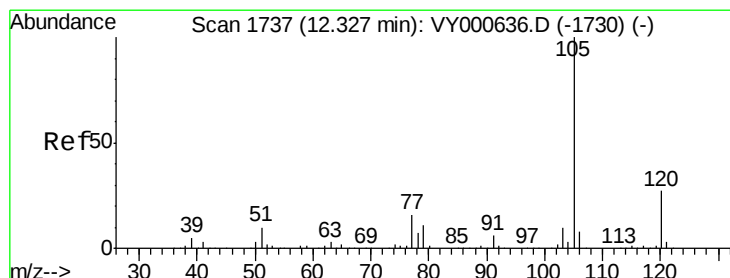
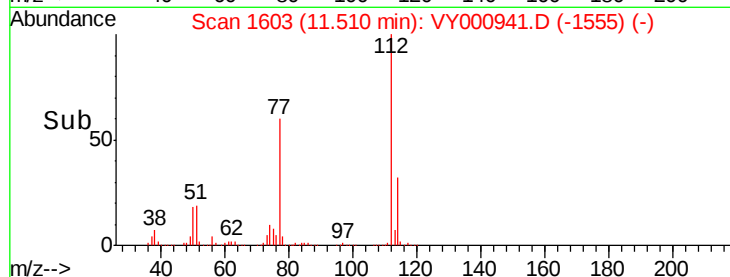
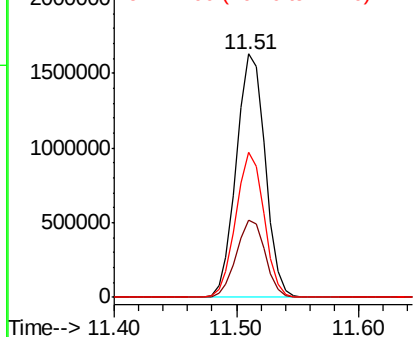
#51
Chlorobenzene
Concen: 148.302 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:112 Resp: 2661496
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 59.7 45.3 67.9

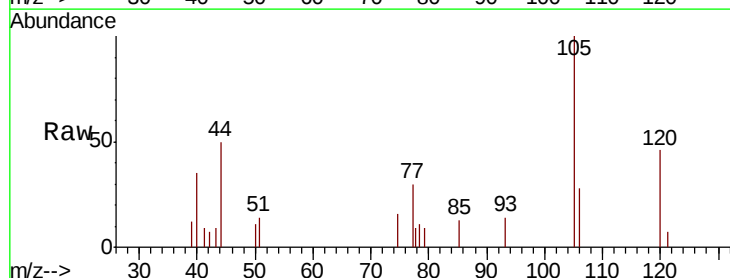


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VY0

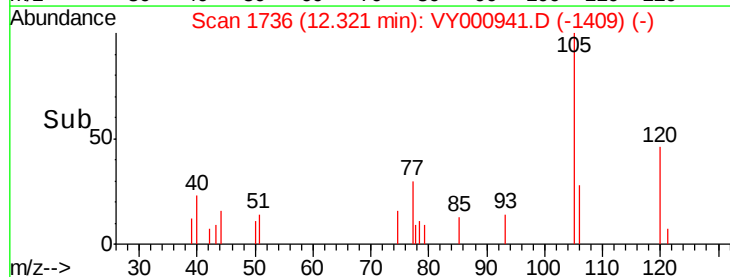
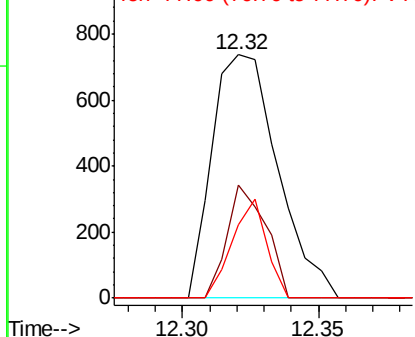


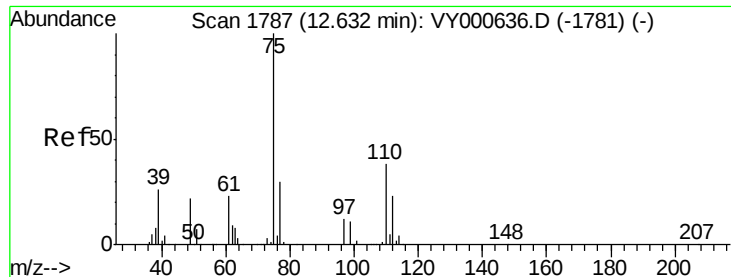
#60
Isopropylbenzene
Concen: 0.041 ug/L
RT: 12.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VY000941.D
Acq: 13 Dec 2019 12:15

Tgt Ion:105 Resp: 1237
Ion Ratio Lower Upper
105 100
120 27.5 21.8 32.8
77 21.3 12.6 19.0#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VY0

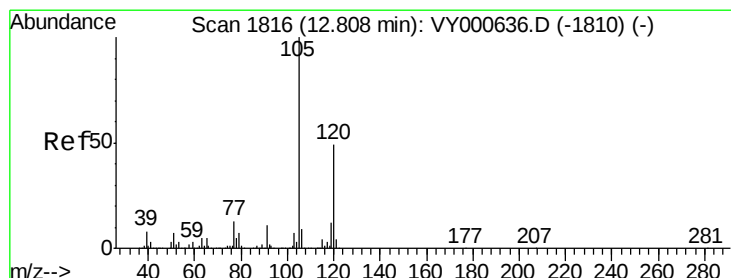
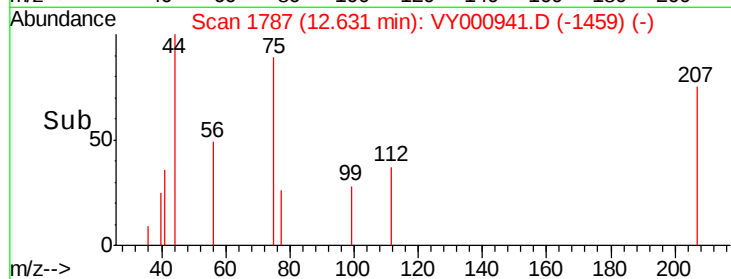
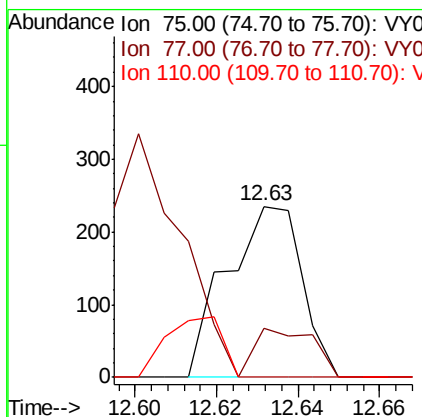
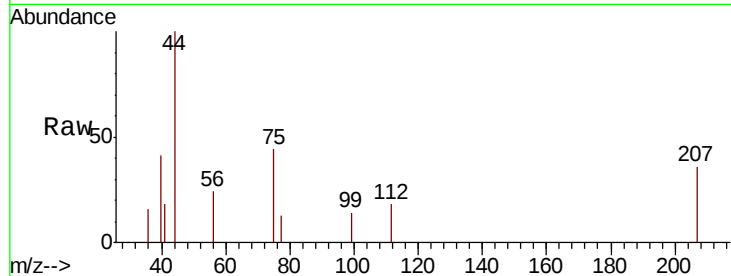




#61
 1,2,3-Trichloropropane
 Concen: 0.051 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000941.D
 Acq: 13 Dec 2019 12:15

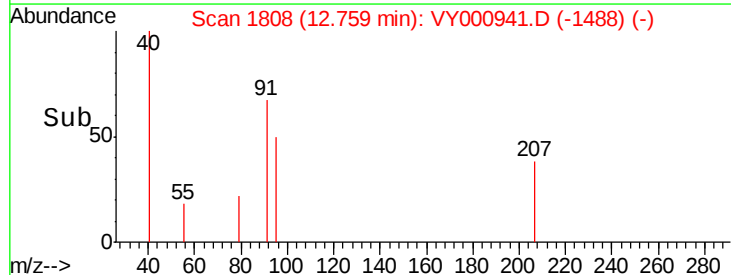
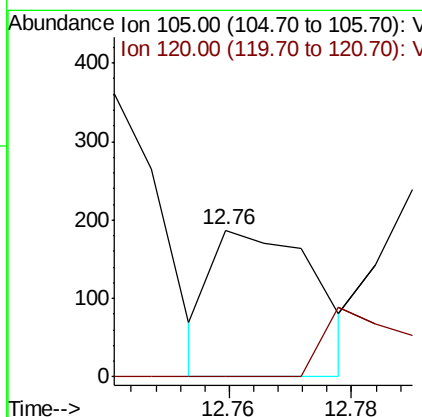
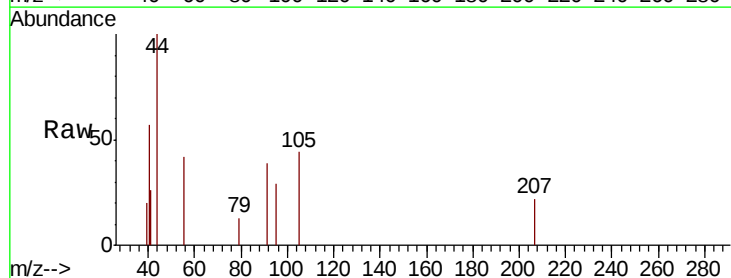
Instrument :
 MSVOA_Y
 ClientSampled :

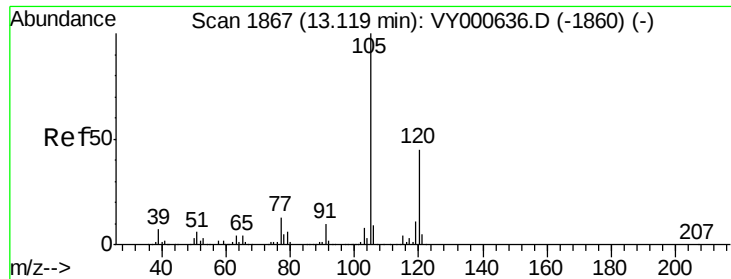
Tot Ion: 75 Resp: 303
 Ion Ratio Lower Upper
 75 100
 77 22.1 25.4 38.0#
 110 26.4 33.0 49.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.009 ug/L
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.05 min
 Lab File: VY000941.D
 Acq: 13 Dec 2019 12:15

Tgt Ion: 105 Resp: 220
 Ion Ratio Lower Upper
 105 100
 120 34.5 25.9 38.9





#63
 1,2,4-Trimethylbenzene
 Concen: 0.108 ug/L
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000941.D
 Acq: 13 Dec 2019 12:15

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 2626
 Ion Ratio Lower Upper
 105 100
 120 46.5 40.3 60.5

